

# **LASER TRIM AND COMPENSATION METHODOLOGY FOR PASSIVELY ALIGNING OPTICAL TRANSMITTER**

## **ABSTRACT OF THE DISCLOSURE**

5           A method includes a scheme for trimming and compensation for a laser  
emitter in a fiber optic link. Data models of laser performance are provided and used  
to determine a base power level. It is then confirmed that the base power level is  
satisfactory. If necessary, adjustments are made to a set of user specified performance  
parameters until a satisfactory base power level is obtained. Then a table or relation  
10 of temperatures and associated current and target average optical power values is  
generated such that they can be used to regulate laser emitter performance over a  
range of temperature. Additionally, fiber optic links capable of trimming and  
compensation are also disclosed.